

LncRNA H19 Promotes Odontoblastic Differentiation of Human Dental Pulp Stem Cells by Regulating miR-140-5p and BMP-2/FGF9

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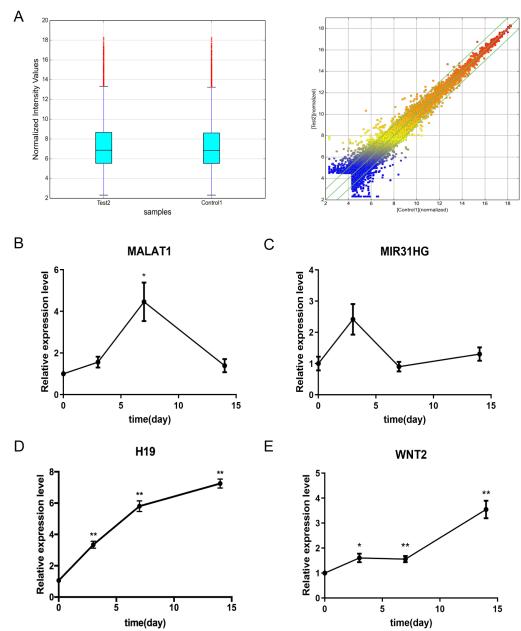
Jialin Zhong and Xinran Tu contributed equally to this work.

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Table 1. The sequences of Primers used in this study

Gene	Forward primer sequences	Reverse primer sequences
MALAT1	GTTGGTCTGGGGTTG	ACTGCTCTGGTCTGCTT
MIR31HG	CGTAAAGTGTGGAGTTGGTC	CCAGGAGAAGGTGGAAGT
WNT2	CCTTGTTCTTCTGG	CGTCTCCACAACCTCAAAC
H19	CACCACCTCCCTCTTCTT	CGTCTCCACAACCTCAAAC
DSPP	CTATGGAAGGATGGAGGAAAG	ACTGGTAGGAATGTGGATGA
DMP-1	GCCACCCCACCTGGTCTACTA	TCACCCCTCTGAAGGTTGCTG
ALP	TTCCAAC TG CCT CTA ACT CCT	CTCTGTCCAAGGTAAGTGCTG
GAPDH	AAGAAGGTGGTGAAGCAGG	GTCAAAGGTGGAGGAGTGG
U6	CGCTCGGCAGCACATATACT	TTCACGAATTGCGTGTCACT
Runx2	ACCCAGAAGGCACAGACAGAAG	AGGAATGCGCCCTAAATCACT
miR-140-5p	GCGCCAGTGGTTTACCTA	
Uni		GTGCAGGGTCCGAGGT

Supplementary Figure



Supplementary Figure 1 The expression levels of lncRNAs in hDPSCs after induction for 14 days.

A. Differentially expressed lncRNAs in the control and test groups (control: hDPSCs cultured with normal medium, test: hDPSCs cultured with odontoblastic differentiation-inducing medium).

B-E. The expression levels of four selected lncRNAs during odontoblastic differentiation. The data are presented as the mean \pm SD of three experiments. * $P<0.05$, ** $P<0.01$.